

Q: Where are my Time Weighted Average (TWA) values for my Breathing Zone Air and Noise Dosimetry samples? I searched down to the individual sample and just see the raw results. Can you please tell me where to see the TWA values for my samples?

A: For personal sampling, such as Breathing Zone Air and Noise Dosimetry, in DOEHRs-IH, you need to go into the SEG to calculate and see the TWAs for the samples.

Q: Where are the OPCODEs?

A: Operations Codes (OPCODEs) were originally developed as a picklist the Navy Industrial Hygiene Information System (IHIMS). DOEHRs-IH does not use OPCODEs, but a user defined Process Name and a series of process picklists - DOEHRs-IH Process Category, Common Process and Process Method. The Process Name is user defined and is what the user typically sees. Since Process Name is user defined, care must be taken to use a business practice that ensures accurate and consistent Process Names are created. The DOEHRs-IH Process Category/Common Process/Process Method picklists are in the form of a three tiered process pull-down picklist. The DOEHRs-IH Process Methods from the picklist are the equivalent of the old OPCODEs. It is very important that proper selections are made from these DOEHRs-IH pick-lists and that they are accurate and consistent for the process under consideration in order to facilitate future data mining.

The Industrial Hygiene Field Operations Manual (IHFOM) Chapter 3, Appendix A, discusses OPCODEs and DOEHRs-IH processes and provides a table with suggestions on which DOEHRs-IH Process Category/Common Process/Process Method choices match up closest with the old OPCODEs.

http://www.nmcphc.med.navy.mil/Occupational_Health/Industrial_Hygiene/ih_fieldops_manual.aspx

Q: What do I put in for SAE/ CVt when calculating TWAs?

A: SAE/ CVt is a required field in DOEHRs-IH. However, there is no SAE/CVt for noise. So, a placeholder value of 0.01 may be used. Even for the air samples, the only use for the SAE/CVt field is to calculate the upper confidence limit (UCL) for the individual sample as if you were an OSHA inspector. Generally, Navy industrial hygienists should not be doing "compliance" sampling. (That is, needing the UCL of a single sample to cite the employer.) But DOEHRs-IH requires that we put in a SAE/CVt. If you have the actual CVt (NIOSH calls Sr) from the laboratory sampling guide, you can enter it.

Q: How do I enter media and blank samples that are associated with Breathing Zone Air samples?

A: Blank and media samples should not be entered into the system. If you enter these samples, the system will assign a sample number and they will be reported as samples for possible selection in an assessment.

Corrected Results for blank samples, if necessary, should be entered in the sample Measurement Information tile.

You can import media and blank sample results associated with a Breathing Zone Air sample as a scanned attachment.

Q: One of our commands was deactivated. Should I delete or remove this command from the system?

A: No, if you do this all data under that organization (Shops, Processes, Hazards) will be removed and can never be recovered as historical data.

If a command goes away, stop date all shops. Sorry, this may be time consuming. An Organization should not be deleted and should remain in the system as historical records.

Q: What if the command now comes under another Industrial Hygiene Program Office (IHPO)?

A: For now, request a Maintenance Change Request (MCR) through the Help Desk available in the left navigation tree to move the organization and all of its Shops, Processes and Samples unless there is a Memorandum of Agreement to share the organization and the IH responsibilities.

Q: I am entering and editing workplace characterization metric data in DOEHRS-IH following the guidance in BUMED ltr 6260 Ser M4/11UM44108 dtd 16 Feb 2011. After entering the closed date, the Shop Survey goes away. How do I know it was entered? Should I re-enter?

A: Do NOT re-enter the survey close date. You will then have two instances of that data in the system. To review your data entry, use the search function in the Master Schedule and click the Archive box. Your entry will appear.

Q: We are working on the Priority/Date tasker and have come up with a question. As we understand it Priority is set for the command, now in the master schedule can we set sections of a Command to a different periodicity - such as some of the shops at 2 years and administration at 4 years?

A: Yes. As you know, Reassessment Frequency based on Hazard Categories per OPNAVINST 5100.23 Series is based on command types. However, DOEHRS-IH was built on a Shop-centric basis. Therefore, the Priority values will be associated to individual Shops. So the Administrative spaces in a shipyard would be a Priority 3 and the Welding Shop a Priority 1.

The following is a suggestion in assigning Shop Priorities:

Assigning Shop Priorities in DOEHRS-IH

Minimum Assessment Frequency¹		
Priority 1 – Annual	Priority 2 – Every two years	Priority 3 – Every four years
GENERAL DESCRIPTION ² - Shops requiring complex IH assessment and/or significant monitoring	GENERAL DESCRIPTION ² –Shops where work is of moderate hazard	GENERAL DESCRIPTION ² - Shops where work is low hazard and primarily in an administrative environment
Hazards are poorly defined or controlled – work environment or processes unstable (e.g., exposure assessment acceptable but has high level of uncertainty, 95th percentile < OEL but UTL 95,95 >>> OEL (100 times greater than OEL)	Hazards well defined and controlled. Work environment and processes stable	No hazards, work environment and processes stable
Requirement for exposure driven occupational health exams ³ other than audiometric testing or Specialty Exams (e.g., Forklift Operator, Foodservice Personnel)	No exposure-driven occupational health exam requirements, other than annual audiograms	No occupational health exam requirements
Similar Exposure Groups (SEG(s)) in shop have a Health Risk Rating (HRR) of > 8 and/or there are unacceptable exposures (e.g., 95th percentile > OEL), other than noise	SEG(s) in shop have an HRR less than or equal to 8 and exposure assessment is acceptable with moderate uncertainty (e.g., 95th percentile < OEL but UTL 95,95 > OEL). For noise, when the exposure assessment is judged unacceptable (e.g., 95th percentile > OEL)	Exposure assessment is acceptable with low uncertainty (e.g., 95th percentile & UTL 95, 95 < OEL, or no measurements made because exposures judged to be < 10% of the 95th percentile.)
OSHA regulatory exposure assessment or monitoring requirements (OSH Act Section 6b rulemaking)	Minimal potential for hazards to go out of control or create significant risk	

¹ The required routine assessment frequency establishes a minimum requirement. Shops should be assessed as frequently as necessary to adequately identify, evaluate, and control the occupational health hazards present.

² Shop Complexity Categories may be used as a guide for initial assignment of Shop Priority (1,2,3) in DOEHRS-IH.

³ Per Navy and Marine Corps Public Health Center Technical Manual NMCPHC-TM OM 6260 Medical Surveillance Procedures Manual and Medical Matrix (Edition 10)

⁴ HRR for a SEG is calculated by multiplying the Exposure Rating (ER) by times the Health Effects Rating (HER), as noted in Table 1. The ERs are determined quantitatively or qualitatively per Table 2.

Table 1-Health Risk Rating Calculation

Health Risk Ratings per AIHA Exposure Assessment Strategy and Table 4.3 of the Navy IHFOM					
		Exposure Rating/Working Exposure Assessment			
		1/Acceptable	2/Acceptable	3/Uncertain	4/Unacceptable
Health Effect Rating	4	4	8	12	16
	3	3	6	9	12
	2	2	4	6	8
	1	1	2	3	4
	0	0	0	0	0

Table 2-Exposure Rating Categorization

Exposure Rating Categories (from Table 4.4 Navy IHFOM)		
	Quantitative Exposure Ratings- Based on an Estimate of the 95th Percentile Exposure	Qualitative Exposure Ratings
Exposure Rating	4 95th percentile > OEL; or a more restrictive upper point estimate for special case stressors	Unacceptable exposures
	3 95th percentile < OEL; UTL 95%/95% >>> OEL (When UTL 95%/95% is > 100 times the OEL, there is less certainty or confidence. This usually occurs when n < 6 or a GSD > 10.)	Acceptable, but high uncertainty
	2 95th percentile < OEL; UTL 95%/95% > OEL (When the UTL 95%/95% is < 100 times the OEL, there is less uncertainty. GSD is usually lower (e.g., < 5))	Acceptable, moderate uncertainty
	1 95th percentile & UTL 95%/95% < OEL	Acceptable, little to no uncertainty

Q: DOEHRS-IH does not display the worksite location for individual samples. How do you suggest that we capture the sample site location?

A: First, all locations need to be loaded before the sampling information is entered. Otherwise, they will not be available for selection in the Air Breathing Zone Sample Form or Noise Dosimetry Sample Form, etc... This is done through the Location link in the left navigation tree. Sample Location Type and Location Name for shops, buildings, etc. as entered under Locations in the Administrative tile can be associated with the samples on the breathing air sample from.

The non-personal sample types (bulk, wipe, general area, etc...) have a Location Information tile for individual samples on the particular Sampling Form - Individual Sample Information screen. However, personal sample types (Breathing zone air, noise dosimetry, direct reading dosimetry) do not have a Location Information tile for individual samples on the particular Sample Form - Individual Sample ID Information screen.

So, for newly entered samples worksite information at the individual sample level can be added/edited for non-personal samples, but not for personal samples.

However, with legacy data migration, worksite information at the individual sample level was migrated over for all sample types. However, it can only be edited at the individual sample level for non-personal samples. For personal samples, the worksite information is in the database but can only be seen on the Location tree as a sub-location under the Shop, since there is no Location Information tile for individual samples on the particular Sample Form - Individual Sample ID Information screen for personal sample types.

The issues of not being able to add/edit worksite information and not having Location Information tile for individual samples on the particular Sample Form - Individual Sample ID Information screen for personal sample types is a concern that has been noted by several users.

CURRENT PRACTICE: For samples, the sample location should be associated to the lowest level possible in DOEHRS-IH. For personal samples, the lowest level possible is the Parent Location under the Location Information tile on the Air Breathing Zone Sample Form or Noise Dosimetry Sample Form or Direct Reading Sample Form screens. A free text field is also provided on the Location Information tile to provide additional information.

If an individual sample location feature is desirable for each measurement for your program office of any sample type, you should submit a system change request (SCR), requesting to add this feature into DOEHRS-IH for personal samples. SCRs are reviewed by the Services (Army, Air Force, and Navy) Functional Working Group (SFWG) for prioritization of funding the developer to make this change.

Q: How can I delete a sample entered in DOEHRS-IH?

A: Once a sample is added to DOEHRS-IH, it cannot be deleted by the IHPO. Individual Samples can be marked as Invalid on the Sample Form under the Measurement Information tile. To totally delete a sample from DOEHRS-IH, you must send a MCR to the Help Desk. Help Desk contacts are located within the application under the Resources tile.

Q: I have not had any follow-up training after the original training I completed several years ago. I am now just getting started, but keep getting stuck in many places. Is there any follow-up training available?

A: There is some on-line help in the DOEHRS-IH production and demo applications.

Both the DOEHRS-IH [production](#) and [demo](#) applications have training presentations, under Student Guides and Classroom Training Presentations, on the DOEHRS Documentation tile.

Additionally in the DOEHRS-IH [production](#) application, on the DOEHRS Documentation tile, under Classroom Training Presentations, are Automated Scenarios that may be very helpful to you. (Direct links are also provided below.) These include:

- 1 - Automated Scenario to [Add Shop to Program Office](#)
- 2 - Automated Scenario to [Add Process to Shop](#)
- 3 - Automated Scenario to [Add SEG](#)
- 4 - Automated Scenario to [Add Master Schedule Periodic Survey](#)
- 5 - Automated Scenario to [Add Sample to Process](#)
- 6 - Automated Scenario to [Add Personal Sample to SEG](#)
- 7 - Automated Scenario to [Calculate TWA](#)
- 8 - Automated Scenario to [Conduct IH Qualitative Assessment](#)
- 9 - Automated Scenario to [Conduct IH Quantitative Assessment](#)

- (1) Click on the Document names,
- (2) Click on RUN, the file will load,
- (3) Click on RUN and the presentation will start.
- (4) You can control the presentation by using the buttons (similar to video player) at the bottom of the screen.

Also in the DOEHRS-IH [production](#) application, on the DOEHRS Documentation tile, under Classroom Training Presentations, is the [Student Exercise Scenarios](#) document. Reviewing and using the Student Exercise Scenarios can help you to practice in the DOEHRS-Demo application.

The DOEHRS Refresher Training power point presentations are available in the DOEHRS-IH [production](#) application, on the DOEHRS Documentation tile, under Monthly Web-Based Training. DOEHRS also has recorded sessions of the monthly Refresher Training in [DCO](#). The links for the individual recordings can be found within the Refresher Training power point presentations. You will need a DCO account to access the recorded sessions. (A DCO account is not needed to view just the power point files).

Q: Is there a way to delete entries from Work Basket?

A: Depending on what type of notifications you want to remove from your Work Basket, there are various procedures.

If you have Work Basket notifications for past due worker fit test records, you may utilize any of the following options to remove these notifications:

- Have the worker take the fit test and enter results
- Change the fit test Due Date to a date in the future
- Archive the record if no longer needed

To remove Sampling Task notifications from your Work Basket, enter a Close Date in the Sampling Task.

Personnel appear in the Work Basket when they are added to a Shop but not assigned to a Process. If you have personnel that you would like to remove from your Work Basket, you may utilize any of the following options to remove these notifications:

- Assign the worker to a Process
- Remove the worker (if no longer needed) from the Shop by adding a Stop Date to the worker's Shop Personnel
- Disable those types of notifications altogether by selecting the Notification link in the Administration section of the left navigation menu. At the bottom of the Timeframe column on the Notifications screen, insert a "0" (zero) next to the "Shop Personnel added to Shop by Shop Supervisor" item and uncheck the notifications for Work Basket. This will not have any impact on the current entries in the Work Basket, but it will prevent future entries.

To remove past due IHPO Equipment Calibration notifications from your Work Basket, you may utilize any of the following options:

- If it is equipment you no longer have, select the Program Office Equipment link in the Administration section of the left navigation menu and perform a search to bring up the equipment in question. Select the link for the piece of equipment and make it Unavailable on the Program Office Equipment Information tile of the Program Office Equipment Detail screen. Then, enter a Stop Date for the piece of equipment on the Cost Summary tile of the Program Office Equipment Detail screen.
- If it is current equipment, have the equipment calibrated and enter the Actual Calibration Date in the Calibration and Maintenance History tile of the Program Office Equipment Detail screen. Then, enter the Next Calibration Date in the Calibration Summary tile of the Program Office Equipment Detail screen.
- Disable those types of notifications altogether by selecting the Notification link in the Administration section of the left navigation menu. At the bottom of the Timeframe column on the Notifications screen, insert a "0" (zero) next to the "Program Office Equipment Due for Manufacturer Calibration" item and uncheck the notifications for Work Basket. This will not have any impact on the current entries in the Work Basket, but it will prevent future entries.

Other types of IHPO notifications (samples not returned from the lab; survey not closed on time; program office equipment not returned from manufacturer calibration; IHPO personnel training due, IHPO personnel fit test due) also can be managed or prevented. Select the Notification link in the Administration section of the left navigation menu. Parameters can be adjusted on the Notifications screen for the various notifications. Typically, to prevent these particular notifications, insert a “0” (zero) in the notification item’s Timeframe and uncheck the notifications for Work Basket. This will not have any impact on the current entries in the Work Basket, but it will prevent future entries.

The Work Basket is refreshed every 24 hours so any updates will be seen within the next day.

Q: How can I print out an Employee Exposure Notification Letter?

A: Employee notification letters can be printed from the DOEHRS application from the Industrial Hygiene section, SEG, Samples, Air Breathing Zone, Air Breathing Zone TWA TAB.

The screenshot shows the DOEHRS application interface in a Windows Internet Explorer browser. The left navigation menu is expanded, and the 'Air Breathing Zone' link is highlighted. The main content area displays the 'Air Breathing Zone TWAs' table for the 'HAWTHORNE MAINTENANCE BLDG: IND-011-00; Welding' segment. A red box highlights the 'Air Breathing Zone TWAs' link in the navigation menu, and another red box highlights the 'Air Breathing Zone TWAs' link in the main content area. A red arrow points from the 'Review Employee Notification Letter' text box to the 'Air Breathing Zone TWAs' link in the main content area.

DOEHRS SEG - Windows Internet Explorer

https://doehrs-ih.csd.dsa.mil/Doehrs/PerformSegSamplesSearchBySampleTypeTwa.do?segId=11260&searchType=general&sampleTypeId=28&twa=true

File Edit View Favorites Tools Help

DOEHRS SEG

Defense Occupational and Environmental Health Readiness System

Welcome, Charles Boyd

You are here: Home > SEG > SEG Detail > Samples

Current Program Office: NAVHOSP CAMP PENDLETON CA

Work Plan

Work Basket

Master Schedule

Industrial Hygiene

Sample Log

Shop

SEG

HAWTHORNE MAINTENANCE BLDG: IND-011-00

Samples

Air Breathing Zone

Assessments

Recommendations

Notification System

Respiratory Protection Program

Reporting

Administration

Supported Organizations

Locations

Program Office Personnel

Pending Account Requests

Vendors

Program Office Equipment

Labs

Notifications

Pick Lists

Import Personnel

Resources

Help Desk Contact Information

Alerts

Reference Material

My Profile

Discoverer Plus

Discoverer Viewer

DOEHRS Documentation

Computer-Based Training

Monthly Web-Based Training

Student Guides

Classroom Training Presentations

Release Information

System Documentation

DOEHRS Version 2.0.7.0 - 7 January 2011

Trusted sites

100%

For Official Use Only

Page: 1

« Previous | Next »

Indicates OEL was adjusted to TWA time period.

Review Employee Notification Letter

Select	Sample IDs	Field Sample IDs	Worker	Sample Date	Hazard	TWA Value	UCL	OEL	OEL Value
<input type="checkbox"/>	000056ZN	CP11-250		2010/10/26	COPPER	0.0029167 mg/m3	0.0076167 mg/m3	Navy 8 hr TWA (COPPER, FUME, AS CU)	0.1 mg/m3

Below is an example notification letter pulled from the production system. It is recommended that the font be increased from 7 to 10 after exporting the letter in rich text format (rtf). The letter can also be exported as PDF.

https://doehrs-ih.csd.disa.mil/?twald=40867 - DOEHRS Notification Letter - Win...

Notification Letter - For Official Use Only

Export As .rtf Export As .pdf Cancel

General Information - For Official Use Only	
Name	██████████
SSN	**** ██████
Current Date	2011/10/05
Shop Name (UIC)	HAWTHORNE MAINTENANCE BUILDING H32893 ()
Location	

Air Breathing Zone sampling was conducted on 26 Oct 2010 to determine your exposure to COPPER. The results of the samples are presented below.

Sample ID	Process(es)	Sample Time (minutes)	Sample Results
000056ZN	Welding	70	0.02 mg/m3

The 8.0-hr time-weighted average is 0.0029167 mg/m3

The 8.0-hr time-weighted average did not exceed the permissible exposure limit of 0.1 mg/m3

During the sampling period you were observed wearing the following personal protective equipment:

- Goggles, Welding, Coverspec Type,Eyes
- Leather Welding,Gloves
- Coat/Jacket, Welding ,Body/Clothing

Export As .rtf Export As .pdf Cancel

♦ Indicates sample result measurement was censored.

For Official Use Only

Currently, the exported employee notification letter only lists the first two controls in the system. Additional controls can be added to the exported file by the user. This is a known defect that has been reported to the developer for correction.